

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: TOMITA, et al  
Serial No.: Rule 1.53(b) continuation of U.S. Patent Application Serial No. 09/901,884, filed July 9, 2001  
Filed: Herewith  
For: F<sub>0</sub>F<sub>1</sub>-ATPASE AND DNA ENCODING THE SAME  
Group of parent: 1652  
Examiner of parent: Steadman

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.97 AND §1.98**

Mail Stop DD  
Commissioner for Patents  
P.O. Box 1450  
Arlington, VA 22313-1450

October 29, 2003

Sir:

Pursuant to Applicants' duty of disclosure, enclosed please find a List of documents cited in prior application Serial No. 09/901,884, filed July 9, 2001.

Since application Serial No. 09/901,884 is being cited under 35 USC §120 in the above-identified divisional application, copies of the listed documents are not enclosed. See 37 CFR §1.98(d).

To the extent that the above-listed documents are not English, the requirements of 37 CFR §1.98(a)(3) are satisfied at least by the English translations enclosed with the documents as submitted in prior application Serial No. 09/901,884.

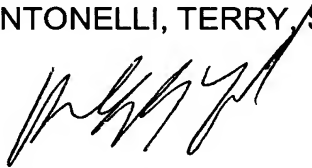
This Information Disclosure Statement is being submitted concurrently with the filing of the above-identified Divisional application.

In view of all of the foregoing, consideration of the listed documents, upon examination of the above-identified application, is respectfully requested.

Kindly charge any additional fees due, or credit overpayment of fees, to Deposit Account No. 01-2135 (506.40345VX1).

Respectfully submitted,

ANTONELLI, TERRY, STOUT & KRAUS, LLP

A handwritten signature in black ink, appearing to read 'R. Webb', is written over the firm name.

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Attachments

**FORM PTO-1449** U.S. Department of Commerce  
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ATTY. DOCKET NO.  
**506.40345VX1**

SERIAL NO.  
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

APPLICANT  
**F. Tomita, t al.**

FILING DATE  
**Her with**

GROUP  
**1652**

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	<b>6 0 2 2 7 1 3</b>	<b>2/00</b>	<b>Noguchi, et al.</b>	<b>435</b>	<b>89</b>	

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	<b>9 8 2 2 6 1 4</b>	<b>5/98</b>	<b>PCT</b>			<b>abstract</b>	
<b>5</b>	<b>4 1 0 7 5 9 3</b>	<b>8/79</b>	<b>Japan</b>			<b>abstract</b>	
<b>5</b>	<b>9 0 5 1 7 9 9</b>	<b>3/84</b>	<b>Japan</b>			<b>abstract</b>	

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	<b>D. Ivey, et al., "The Abundance of atp Gene Transcript and of the Membrane F<sub>1</sub>F<sub>0</sub>-ATPase as a Function of the Growth pH of Alkaliphilic Bacillus firmus OF4", Journal of Bacteriology, Vol. 176, No. 16, Aug. 1994, pp. 5167-5170.</b>
	<b>M. J. Kullen, et al., "Identification of the pH-inducible, proton-translocating F<sub>1</sub>F<sub>0</sub>-ATPase (atpBEFHAGDC) operon of Lactobacillus acidophilus by differential display: gene structure, cloning and characterization", Molecular Microbiology, 33(6), 1999, pp. 1152-1161.</b>
	<b>P. D. Boyer, "The ATP Synthase - A Splendid Molecular Machine", Annu. Rev. Biochem, 66, 1997, pp. 717-749.</b>
	<b>J. E. Walker, et al., "DNA sequence around the Escherichia coli unc operon - Completion of the sequence of a 17 kilobase segment containing asnA, oriC, unc, glmS and phoS", J. Biochem., 224, 1984, pp. 799-815.</b>
	<b>M. Santana, et al., "Bacillus subtilis F<sub>0</sub>F<sub>1</sub> ATPase: DNA Sequence of the atp Operon and Characterization of atp Mutants", Journal of Bacteriology, Vol. 176, No. 22, Nov. 1994, pp. 6802-6811.</b>
	<b>W. S. A. Brusilow, et al., "Organization and Sequence of the Genes Coding for the Proton-translocating ATPase of Bacillus megaterium", The Journal of Biological Chemistry, Vol 264, No. 3, Jan. 25, 1989, pp. 1528-1533.</b>

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

**FORM PTO-1449** U.S. Department of Commerce  
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SERIAL NO.  
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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	D. M. Ivey, et al., "Organization and nucleotide sequence of the atp genes encoding the ATP synthase from alkaliphilic <i>Bacillus firmus</i> OF4", <i>Mol. Gen. Genet.</i> , 229, 1991, pp. 292-300.
	S. Ohta, et al., "Sequence and over-expression of subunits of adenosine triphosphate synthase in thermophilic bacterium PS3", <i>Biochimica et Biophysica Acta</i> , 933, 1988, pp. 141-155.
	M. Sumi, et al., "F <sub>0</sub> F <sub>1</sub> -ATPase Genes from an Archaeobacterium, <i>Methanosarcina barkeri</i> ", <i>Biochemical and Biophysical Research Communications</i> , 241, 1997, pp. 427-433.
	R. Borghese, et al., "The ATP Synthase atpHAGDC (F <sub>1</sub> ) Operon from <i>Rhodobacter capsulatus</i> ", <i>Journal of Bacteriology</i> , Vol. 180, No. 2, Jan. 1998, pp. 416-421.
	R. Borghese, et al., "The atpIBEXF operon coding for the F <sub>0</sub> sector of the ATP synthase from the purple nonsulfur photosynthetic bacterium <i>Rhodobacter capsulatus</i> ", <i>Arch. Microbiol.</i> , 170, 1998, pp. 385-388.
	S. Kadowaki, et al., "Production of ATP from Adenine by a Combination of Bacterial and Baker's Yeast Cells", <i>Journal of Fermentation and Bioengineering</i> , Vol. 68, No. 6, 1989, pp. 417-422.

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